



Jelly Fish & Marine Litter  
Containment Boom

# STS Silt & Turbidity Screen



New Naval

The STS Series Silt & Turbidity Screen Boom provides turbidity control and contains suspended silt, marine litter, floating pollutants or detrimental organisms such as jellyfish. The screen acts as a filter that allows water and natural currents to proceed unhindered while containing silt and similar materials. The boom is ideal for highly erosional locations where sediment run off or storm water pollution can cause damage or distress to delicate environments and ecosystems, including construction or marine repair projects where sediment run-off and disturbances must be regulated and contained.



## TECHNICAL SPECIFICATIONS

Freeboard	300 mm
Draft	620 mm
Section Length	10 - 30 m
Fabric	PVC Coated Polyester
Fabric Weight	750 or 1000 g/m <sup>2</sup> (Options available)
Connectors	U-Bolts / ASTM Z-Type
Silt Screen Fabric	100% PES / 1100 dtex / 250 g/m <sup>2</sup>
Screen Fabric Tensile Strength	1900 N/5cm
Silt Screen Depth	Up to 8 m
Flotation	Closed-Cell PE Foam 30 kg/m <sup>3</sup>
Average Float Length	1 m
Upper Tension Member	Seamed Fabric
Ballast	DIN 766 Hot Dip Galvanized Chain
Operational Temperature	from -10°C to 60°C
Color	Yellow / Grey (Other options available)

## TECHNICAL DATA

A submerged, permeable geosynthetic screen up to 30m in length is specifically designed to contain silt in high turbidity waters. The boom is manufactured from high visibility PVC Coated PES fabric using High Frequency Thermal Welding. The boom configuration is maintained by cylindrical floats, made of closed-cell PET foam. Enforced axial tension is provided by enclosed PET webbing on the top and a Hot-Dipped Galvanized (HDG) Chain on the bottom of the boom. STS Series boom are produced in compliance with US DoT Specifications

## KEY FEATURES:

- Suitable for containing silts and sediments, as well as oil spills and any other floating pollutant during marine works, dredging operations, underwater works such as cable installation etc.
- Provides a stable environment for deposits to settle
- Designed for use in fast and turbulent waters
- Tension cables and a bottom chain support the submersed curtain
- Curtain depths up to 8m

## SYSTEM APPLICATIONS:

- Inter-Coastal Projects
- Construction Sites
- Dredging Sites
- Remediation Projects
- Storm Water Run-off Areas
- Fast Moving Waters
- Fisheries
- Resorts
- Beaches
- Water Intakes